

<b>Education</b>	<b>Boston University School of Medicine; Boston MA</b> <b>September 2011 - September 2013</b> M.S. in Biomedical Forensic Sciences <ul style="list-style-type: none"> <li>- Coursework in: Forensic Biology, Chemistry, Toxicology, Pathology, DNA analysis, Criminalistics, Criminal Law, and other topics in forensic science</li> <li>- Completed research thesis: "Evaluation of Wet-Vacuum Technique versus Traditional Methods for Collection of Biological Crime Scene Samples"</li> </ul>
	<b>University of Vermont; Burlington VT</b> <b>September 2005 – January 2010</b> B.A. in Biology; Chemistry/Business Administration Minors <ul style="list-style-type: none"> <li>- Relevant coursework: molecular and cell biology, organic chemistry, toxicology, genetics, physiology, statistics</li> </ul>
<b>Experience</b>	<b>Forensic Chemist II</b> <b>May 2015 – Present</b> Vermont Forensic Laboratory; Waterbury VT <ul style="list-style-type: none"> <li>- Perform qualitative and quantitative confirmatory analysis of ethanol in blood and technical review of blood analysis results</li> <li>- Validate new GC/FID instrumentation</li> </ul>
	<b>Scientist</b> <b>August 2013 – May 2015</b> Burlington Labs, Inc.; Burlington VT <ul style="list-style-type: none"> <li>- Performed clinical testing for drugs of abuse using various high-throughput screening and confirmation methods</li> <li>- Participated in research and development functions to validate and optimize testing methods</li> <li>- Communicated with clinicians and counselors to interpret and analyze results</li> </ul>
	<b>Intern</b> <b>February 2013 – July 2013</b> Boston Police Department Crime Lab; Boston MA <ul style="list-style-type: none"> <li>- Performed analysis and comparison of acid phosphatase and P30 positive/weak positive serology samples</li> </ul>
	<b>Teaching Assistant</b> <b>June 2012 - July 2013</b> BU Division of Graduate Medical Sciences; Boston MA <ul style="list-style-type: none"> <li>- Assisted in preparation and instruction of Forensic Biology Lab and Crime Scene Investigation courses</li> </ul>
	<b>Scientific Research Technician</b> <b>January 2011 – August 2011</b> IDEXX Laboratories, Inc.; Westbrook ME <ul style="list-style-type: none"> <li>- Maintained various types of cell lines for use in veterinary immunoassay test kits</li> </ul>
	<b>Bartender</b> <b>December 2009 – August 2010</b> Das Bierhaus; Burlington VT <ul style="list-style-type: none"> <li>- Served <i>steins</i> of Germany's finest beers</li> </ul>
<b>Relevant Training</b>	Advanced Roadside Impaired Driving Enforcement (ARIDE); December 15-16, 2015 Vermont Police Academy; Pittsford VT  The Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research, and Litigation; December 6-11, 2015 Indiana University; Bloomington IN

DataMaster DMT Supervisor Training; October 8, 2015  
Vermont Forensic Laboratory; Waterbury VT

DUI Enforcement Certification Course, Datamaster DMT Operator Training; June 1-3, 2015  
Vermont Police Academy, Pittsford VT

Intoximeters Intox DMT Technical Training; September 21-23, 2015  
Dan Dunsworth, Technical Services Supervisor of Intoximeters, Inc.

Measurement Uncertainty: The Basics; September 24-25, 2015  
Lecture and workshop taught by Suzanne Bell, PhD of West Virginia University

Ethics and Data Integrity for Environmental Labs; August 26, 2015  
Association of Public Health Labs, Online

**Publications &  
Presentations**

Your Brain on Drugs: The Pharmacology, Physiology, and Chemistry of Drugs. Guest Lecture for PSY-4010-J01 Biological Psychology. Johnson State College, Johnson VT; October 24, 2015.

Research thesis publication: Garrett, AD; **Patlak, DJ**; Gunn, LE; Brodeur, AN; Grgicak, CM. *Exploring the Potential of a Wet-Vacuum Collection System for DNA Recovery*. Journal of Forensic Identification. 2014; Volume 64, Issue 5: 429-448.

**Patlak DJ**. Evaluation of Wet Vacuum Collection versus Traditional Methods for Collection of Biological Crime Scene Samples. Presented at NEAFS Annual Meeting Poster Session, Saratoga Springs NY; November 14, 2012.

**Awards &  
Honors**

Provost's Scholarship from Boston University School of Medicine, Division of Graduate Medical Sciences – 2011-2013

Graduated *Cum Laude*; University of Vermont – January 2010

Inducted into Phi Beta Kappa honor society; Alpha of Vermont – 2008

Dean's List Member; University of Vermont – September 2005-2009